IN THE U.S. PATENT & TRADEMARK OFFICE

Applicant: Brian D. Goodman : Confirmation No. 6687
Serial No. 10/685,860 : GROUP ART UNIT 2448
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Title: CREATING DYNAMIC : Date December 31, 2011
INTERACTIVE ALERT MESSAGES BASED : Floyd A. Gonzalez
ON EXTENSIBLE DOCUMENT : Intellectual Property Law
DEFINITIONS : 2455 South Road, P386
Poughkeepsie, NY 12601

APPEAL BRIEF 37 C.F.R. § 41.37

Mail Stop Appeal Briefs-Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This brief is in furtherance of the Notice of Appeal, filed in this case on 11/01/11.

The fees required under § 41.20, and any required petition for extension of time for filing this brief and fees therefore, are dealt with at the time of efiling this brief.

I. REAL PARTY INTEREST
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The final page of this brief bears the practitioner's signature.

I. REAL PARTY OF INTEREST

(37 C.F.R. 41.37 § (c)(1)(i))

The real party in interest in this appeal is:

International Business Machines Corporation
of Armonk, New York, 10504.

II. RELATED APPEALS AND INTERFERENCES
(34 C.F.R. § 41.37(c)(1)(ii))

With respect to other appeals or interferences that will directly affect, or be directly affected by, or have a bearing on the Board's decision in this appeal:

[] there are no such appeals or interferences.

[X] these are as follows:

Application No. 11/197,998 filed 08/05/2005 (Docket POU9920020088US5) by Brian D. Goodman, Notice of Appeal filed 04/13/2010, Appeal Brief filed 06/09/2010, Notice of Allowance mailed 09/20/2010, see Appendix XI.a.

Application No. 10/732,020 filed 12/10/2003 (Docket POU920020088US2) by Brian D. Goodman, Notice of Appeal filed 08/02/2010, Appeal Brief filed 10/01/2010, Allowed 12/29/2010, see Appendix XI.b.

Application 11/225,577 filed 07/26/2002 (Docket POU920020089US1) by Brian D. Goodman, Notice of Appeal filed 08/22/2011, Appeal Brief filed 10/20/2011.

Application 10/730,227 filed 12/08/2003 (Docket POU920020089US2) by Brian D. Goodman, Notice of Appeal filed 08/22/201110/07/2011, Appeal Brief filed 11/26/2011.

Application No. 11/234,987 filed 09/26/2005 (Docket POU920020089US4) by Brian D. Goodman, Notice of Appeal filed 09/21/2010, Appeal Brief filed 11/22/2010, Examiner's Answer filed 02/16/2011, Reply Brief filed 04/18/2011.

Application No. 11/245,577 filed 10/07/2005 (Docket POU920020089US5) by Brian D. Goodman, Notice of Appeal filed 10/21/2010, Appeal Brief filed 12/21/2010, Examiner's Answer filed 03/16/2011.

III. STATUS OF CLAIMS

(37 C.F.R. § (c)(a)(iii))

A. TOTAL NUMBER OF CLAIMS IN APPLICATION

Claims in the application are: 1-19, 21-25 and 76-123 (72 claims)

B. STATUS OF ALL THE CLAIMS

(if there are no claims in a category, indicate: NONE)

1. Claims cancelled: Claims 20, 26-75
2. Claims withdrawn from consideration but not cancelled: NONE
3. Claims objected to: NONE
4. Claims allowed or confirmed: NONE
5. Claims rejected: 1-19, 21-25 and 76-123

C. CLAIMS ON APPEAL

The claims on appeal are: Claims 1, 8, 76, 83, 100 and 107.

IV. STATUS OF AMENDMENTS

(37 C.F.R. § (c)(1)(iv))

Insofar as understood by the appellant, the status of any amendment filed subsequent to final rejection on was entered.

V. SUMMARY OF CLAIMED SUBJECT MATTER

(37 C.F.R. § 41.37(c)(1)(v))

Note: A concise explanation of the subject matter defined in each of the independent claims involved in the appeal, which shall refer to the specification by page and line number, and to the drawings, if any, by reference characters. While reference to page and line of the specification may require somewhat more detail than simply summarizing the invention, it is considered important to enable the Board to more quickly determine where the claimed subject matter is described in the specification.

Claims	FIGs. and Specification
CLAIM 1 1. A method for creating a message at a first computer system for display on a second computer system, the method comprising the steps of:	Paragraph [0019], "Prior art does not provide the capability to create, send or receive alert notifications that include the instructions of how they might be experienced (displayed, interacted with or expressed) independent of the protocol, device, and environment or location. This invention achieves such capability … ."
initiating a request for a GUI message in response to an event wherein the event and the initiating of the request are external to the second computer system wherein said message is a notification of said event;	Paragraph [0073], "The present invention provides a method for creating dynamic interactive messages, also known as notifications or alerts. Such messages may be defined by an extensible message format to define graphical user interface representation and the methods by which the computer environment and end user might interact with said message." Paragraph [0074], "The following represents example services enabled by the present invention. The first three examples uses alerts in an Education domain such as High School, University or Commercial enterprise: … ." Paragraph [0021], "An event occurs on a client system of which the user desires notification. The notification message defines all aspects of how the target user might experience the message." Fig. 22, Paragraph [0064], "As part of the setup Subscriber 'B' can elect to be warned of incoming messages by enabling 2208 an alert mechanism."
defining GUI message attributes;	Paragraph [0075], "In one embodiment,

defining GUI message functionality;	referring to Fig. 27, the method comprises the following steps: creating the message 2704 at the first computer system, the message comprising message content 2701, the message further defining GUI attributes 2702 and GUI functionality 2703. … .”
creating the message at the first computer system, the message comprising message content including an alert message,	Paragraph [0075], “In one embodiment, referring to Fig. 27, the method comprises the following steps: creating the message 2704 at the first computer system, the message comprising message content 2701 … .” Paragraph [0022], “An objective of this system is to provide a form of event notification that is defined by one user and optionally controllable by the target user according to a number of specifications.” Paragraph [0077], “In one embodiment a dynamic interactive alert is created by the following steps: … .” The building of an alert message is then disclosed from paragraph [0077] to paragraph [00102].
the GUI message attributes and the GUI message functionality such that the message includes aspects of how the second computer system is to display the message content, said message content including instructing a desired period of time said alert message is to be displayed; and	Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”
in response to the request, transmitting the message from the first computer system to a group of computer systems wherein the group of computer systems comprises the second computer	Fig. 27, Paragraph [0075] “… causing the message to be transmitted 2707 from the first computer system to a group of computer systems comprising the second computer system, the message being transmitted responsive to 2706 a request from the message, the request initiated 2710 from other than the second computer system

system,	2709."
each computer system in said group of computer systems subscribing to messages from said first computer,	Fig. 3, Paragraph [0026], "The subscriber 305-306 sends subscription requests 307 to an instance of the pub/sub service 304 and, subject to acceptance of a particular subscription request, receives content 308 from the pub/sub service."
each computer system in said group of computer systems extracting from said message, said attributes and functionality to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed,	Paragraph [0076], "In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … ."
the display of the message under individual control of each computer system in said group of computer systems; and	Paragraph [0068], "In Fig. 25 1911, the response IM message 'B' from Subscriber 'B' SkillTap IM message 'B' is operated on 2501 by … User preferences … . The preferences 2502 include customizing the special incoming alert message GUI and display options. Based on the options, a local SkillTap application presents an alert of an incoming SkillTap response IM 2503."
filtering the message by a filter in each computer system in said group of computer systems, each filter for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message and	Fig. 4, Filter 1, 420 and Filter 2, 422. Paragraph [0041], "In Fig. 8, an example filter window 801 is shown. Shotgun users subscribing to the SkillTap service are permitted to define message content filters. The example filter 802 of Fig. 8 shows a Boolean list of keywords or'd together. The Boolean 'OR' is depicted by '|'. The filter defines the user's areas of interest or expertise. … When Brian sent his request, the words in his request would have to pass the listener's

messages not containing the keywords are blocked by said filter from being seen by said respective computer system.	filter in order for the listener to see the request.”
CLAIM 8 8. A method for presenting a message received from a first computer system for display on a second computer system, the method comprising the steps of:	Paragraph [0019], “Prior art does not provide the capability to create, send or receive alert notifications that include the instructions of how they might be experienced (displayed, interacted with or expressed) independent of the protocol, device, and environment or location. This invention achieves such capability … .”
subscribing by said second computer system, to messages from said first computer system;	Fig. 3, Paragraph [0026], “Referring to Fig. 3 a pub/sub system is made up of a Content Provider application (Service) 301-303, the Subscriber (Client) 305-306, and the Pub/Sub Service 304. … The subscriber 305-306 sends subscription requests 307 to an instance of the pub/sub service 304 and, subject to acceptance of a particular subscription request, receives content 308 from the pub/sub service.”
receiving the message from the first computer system at the second computer system wherein the message includes an alert message of an event wherein the event is external to the second computer system, said message including aspects of how the second computer system is to display the message	Paragraph [0073], “The present invention provides a method for creating dynamic interactive messages, also known as notifications or alerts. Such messages may be defined by an extensible message format to define graphical user interface representation and the methods by which the computer environment and end user might interact with said message.” Paragraph [0074], “The following represents example services enabled by the present invention. The first three examples uses alerts in an Education domain such as High School, University or Commercial enterprise: … .” Paragraph [0021], “An event occurs on a client system of which the user desires notification. The notification message defines all aspects of how the target user might experience the message.” Paragraph [0077], “In one embodiment a dynamic interactive alert is

	created by the following steps: … .” The building of an alert message is then disclosed from paragraph [0077] to paragraph [00102].
including instructing a desired length of time said alert message is to be displayed, the display of the message under individual control of the second computer system;	Fig. 22, Paragraph [0064], “As part of the setup Subscriber ‘B’ can elect to be warned of incoming messages by enabling 2208 an alert mechanism.” Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”
decoding the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system;	Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system;
extracting said aspects including attributes, functionality and content from the message at the second computer system to instruct said second computer system how to display the user interactive GUI representation including instructions for the desired length of time said alert message is to be displayed;	extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”

creating a user interactive GUI representation at the second computer system, the user interactive GUI representation comprising one or more user input functions, the user input function selectable by a user, the interactive GUI representation further comprising attributes, content and functionality defined by the extracted attributes, content and functionality of the message;	Paragraph [0068], “In Fig. 25 1911, the response IM message ‘B’ from Subscriber ‘B’ SkillTap IM message ‘B’ is operated on 2501 by … User preferences … . The preferences 2502 include customizing the special incoming alert message GUI and display options. Based on the options, a local SkillTap application presents an alert of an incoming SkillTap response IM 2503.”
filtering the message by a filter in each computer system in said group of computer systems, each filter for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said respective computer system; and	Fig. 4, Filter 1, 420 and Filter 2, 422. Paragraph [0041], “In Fig. 8, an example filter window 801 is shown. Shotgun users subscribing to the SkillTap service are permitted to define message content filters. The example filter 802 of Fig. 8 shows a Boolean list of keywords or’d together. The Boolean ‘OR’ is depicted by ‘|’. The filter defines the user’s areas of interest or expertise. … When Brian sent his request, the words in his request would have to pass the listener’s filter in order for the listener to see the request.”
displaying the user interactive GUI representation seen at the second computer system for the desired length of time said alert message is to be displayed.	Fig. 28, 2809, “DISPLAY CUSTOM INTERACTIVE GUI.”
CLAIM 76 76. A system for creating a message at a first computer system for display on a second computer system, the system comprising:	Paragraph [0019], “Prior art does not provide the capability to create, send or receive alert notifications that include the instructions of how they might be experienced (displayed, interacted with or expressed) independent of the protocol, device, and environment or location. This

	invention achieves such capability … .”
a network;	Fig. 1, Network 109 or Fig. 2, Internet 207.
the second computer system in communication with the network;	Fig. 2, Client 2, 202 in communication with the Internet 207 via a Client Server 206.
the first computer system in communication with the network, wherein the first computer system includes storage for storing computer instructions to execute a method comprising:	Fig. 1, Base Computer 101 in communication with the Network 109 and having a Memory 105 for storing Application 1, 112.
initiating a request for a GUI message in response to an event wherein the event and the initiating of the request are external to the second computer system wherein said message is a notification of said event;	Paragraph [0073], “The present invention provides a method for creating dynamic interactive messages, also known as notifications or alerts. Such messages may be defined by an extensible message format to define graphical user interface representation and the methods by which the computer environment and end user might interact with said message.” Paragraph [0074], “The following represents example services enabled by the present invention. The first three examples uses alerts in an Education domain such as High School, University or Commercial enterprise: … .” Paragraph [0021], “An event occurs on a client system of which the user desires notification. The notification message defines all aspects of how the target user might experience the message.” Fig. 22, Paragraph [0064], “As part of the setup Subscriber ‘B’ can elect to be warned of incoming messages by enabling 2208 an alert mechanism.”
defining GUI message attributes; defining GUI message functionality;	Paragraph [0075], “In one embodiment, referring to Fig. 27, the method comprises the following steps: creating the message 2704 at the first computer system, the message comprising message content 2701, the message further defining GUI attributes 2702 and GUI functionality 2703. … .”

creating the message at the first computer system, the message comprising message content including an alert message,	Paragraph [0075], “In one embodiment, referring to Fig. 27, the method comprises the following steps: creating the message 2704 at the first computer system, the message comprising message content 2701 … .” Paragraph [0022], “An objective of this system is to provide a form of event notification that is defined by one user and optionally controllable by the target user according to a number of specifications.” Paragraph [0077], “In one embodiment a dynamic interactive alert is created by the following steps: … .” The building of an alert message is then disclosed from paragraph [0077] to paragraph [00102].
the GUI message attributes and the GUI message functionality such that the message includes aspects of how the second computer system is to display the message content, said message content including instructing a desired period of time said alert message is to be displayed; and	Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”
in response to the request, transmitting the message from the first computer system to a group of computer systems wherein the group of computer systems comprises the second computer system,	Fig. 27, Paragraph [0075] “… causing the message to be transmitted 2707 from the first computer system to a group of computer systems comprising the second computer system, the message being transmitted responsive to 2706 a request from the message, the request initiated 2710 from other than the second computer system2709.”
each computer system in said group of computer systems subscribing to messages	Fig. 3, Paragraph [0026], “The subscriber 305-306 sends subscription requests 307 to an instance of the pub/sub service 304 and, subject to acceptance of a particular subscription request, receives

from said first computer,	content 308 from the pub/sub service.”
each computer system in said group of computer systems extracting from said message, said attributes and functionality to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed,	Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”
the display of the message under individual control of the second computer system such that the display of the message at the second computer system is determined by a user of the second computer system,	Paragraph [0068], “In Fig. 25 1911, the response IM message ‘B’ from Subscriber ‘B’ SkillTap IM message ‘B’ is operated on 2501 by … User preferences … . The preferences 2502 include customizing the special incoming alert message GUI and display options. Based on the options, a local SkillTap application presents an alert of an incoming SkillTap response IM 2503.”
and the message content defines a problem;	Message content 602 in Fig. 5, message content 703 in Fig. 7, message cibtebt 903 in Fig. 9, message content 1003 in Figs. 10 and 11, message content 1201 in Fig. 12, message content 1301 in Fig. 13, and in Figs. 14 and 16.
a filter in each computer system in said group of computer systems for filtering the problem defined in said message, each filter for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said	Fig. 4, Filter 1, 420 and Filter 2, 422. Paragraph [0041], “In Fig. 8, an example filter window 801 is shown. Shotgun users subscribing to the SkillTap service are permitted to define message content filters. The example filter 802 of Fig. 8 shows a Boolean list of keywords or’d together. The Boolean ‘OR’ is depicted by ‘|’. The filter defines the user’s areas of interest or expertise. … When Brian sent his request, the words in his request would have to pass the listener’s filter in order for the listener to see the request.”

respective computer system.	
CLAIM 83	
83. A system for presenting a message received from a first computer system for display on a second computer system, the system comprising:	Paragraph [0019], "Prior art does not provide the capability to create, send or receive alert notifications that include the instructions of how they might be experienced (displayed, interacted with or expressed) independent of the protocol, device, and environment or location. This invention achieves such capability … ."
a network;	Fig. 1, Network 109 or Fig. 2, Internet 207.
the first computer system in communication with the network;	Fig. 2, Client 1, 201 in communication with the Internet 207 via a Client Server 206.
the second computer system in communication with the network, wherein the second computer system includes storage for storing computer instructions to execute a method comprising:	Fig. 1, Base Computer 101 in communication with the Network 109 and having a Memory 105 for storing Application 1, 112.
subscribing by said second computer system, to messages from said first computer system;	Fig. 3, Paragraph [0026], "Referring to Fig. 3 a pub/sub system is made up of a Content Provider application (Service) 301-303, the Subscriber (Client) 305-306, and the Pub/Sub Service 304. … The subscriber 305-306 sends subscription requests 307 to an instance of the pub/sub service 304 and, subject to acceptance of a particular subscription request, receives content 308 from the pub/sub service."
receiving the message from the first computer system at the second computer system wherein the message includes an alert message of an event wherein the event is external to the second computer system, said	Paragraph [0073], "The present invention provides a method for creating dynamic interactive messages, also known as notifications or alerts. Such messages may be defined by an extensible message format to define graphical user interface representation

message including aspects of how the second computer system is to display the message	and the methods by which the computer environment and end user might interact with said message.” Paragraph [0074], “The following represents example services enabled by the present invention. The first three examples uses alerts in an Education domain such as High School, University or Commercial enterprise: … .” Paragraph [0021], “An event occurs on a client system of which the user desires notification. The notification message defines all aspects of how the target user might experience the message.” Paragraph [0077], “In one embodiment a dynamic interactive alert is created by the following steps: … .” The building of an alert message is then disclosed from paragraph [0077] to paragraph [00102].
including instructing a desired length of time said alert message is to be displayed, the display of the message under individual control of the second computer system;	Fig. 22, Paragraph [0064], “As part of the setup Subscriber ‘B’ can elect to be warned of incoming messages by enabling 2208 an alert mechanism.” Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”
decoding the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system;	Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system;

extracting said aspects including attributes, functionality and content from the message at the second computer system to instruct said second computer system how to display the user interactive GUI representation including instructions for the desired length of time said alert message is to be displayed;	extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”
creating a user interactive GUI representation at the second computer system, the user interactive GUI representation comprising one or more user input functions, the user input function selectable by a user, the interactive GUI representation further comprising attributes, content and functionality defined by the extracted attributes, content and functionality of the message;	Paragraph [0068], “In Fig. 25 1911, the response IM message ‘B’ from Subscriber ‘B’ SkillTap IM message ‘B’ is operated on 2501 by … User preferences … . The preferences 2502 include customizing the special incoming alert message GUI and display options. Based on the options, a local SkillTap application presents an alert of an incoming SkillTap response IM 2503.”
filtering the message by a filter in said second computer system, said filter for filtering for keywords of interest to the second computer system such that the message would have to contain the keywords of interest before the second computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said second computer system; and	Fig. 4, Filter 1, 420 and Filter 2, 422. Paragraph [0041], “In Fig. 8, an example filter window 801 is shown. Shotgun users subscribing to the SkillTap service are permitted to define message content filters. The example filter 802 of Fig. 8 shows a Boolean list of keywords or’d together. The Boolean ‘OR’ is depicted by ‘|’. The filter defines the user’s areas of interest or expertise. … When Brian sent his request, the words in his request would have to pass the listener’s filter in order for the listener to see the request.”

displaying the user interactive GUI representation seen at the second computer system for the desired length of time said alert message is to be displayed.	Fig. 28, 2809, “DISPLAY CUSTOM INTERACTIVE GUI.”
CLAIM 100 100. A computer program product for creating a message at a first computer system for display on a second computer system, the computer program product comprising:	Paragraph [00107], “The present invention can be included in an article of manufacture (e.g., one or more computer program products) having, for instance, computer usable media.” Paragraph [0019], “Prior art does not provide the capability to create, send or receive alert notifications that include the instructions of how they might be experienced (displayed, interacted with or expressed) independent of the protocol, device, and environment or location. This invention achieves such capability … .”
a non-transitory storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for performing a method comprising:	Fig. 1, Storage Media 107 Fig. 1, Processor 106
initiating a request for a GUI message in response to an event wherein the event and the initiating of the request are external to the second computer system wherein said message is a notification of said event;	Paragraph [0073], “The present invention provides a method for creating dynamic interactive messages, also known as notifications or alerts. Such messages may be defined by an extensible message format to define graphical user interface representation and the methods by which the computer environment and end user might interact with said message.” Paragraph [0074], “The following represents example services enabled by the present invention. The first three examples uses alerts in an Education domain such as High School, University or Commercial enterprise: … .” Paragraph [0021], “An event

	occurs on a client system of which the user desires notification. The notification message defines all aspects of how the target user might experience the message.” Fig. 22, Paragraph [0064], “As part of the setup Subscriber ‘B’ can elect to be warned of incoming messages by enabling 2208 an alert mechanism.”
defining GUI message attributes; defining GUI message functionality;	Paragraph [0075], “In one embodiment, referring to Fig. 27, the method comprises the following steps: creating the message 2704 at the first computer system, the message comprising message content 2701, the message further defining GUI attributes 2702 and GUI functionality 2703. … .”
creating the message at the first computer system, the message comprising message content including an alert message,	Paragraph [0075], “In one embodiment, referring to Fig. 27, the method comprises the following steps: creating the message 2704 at the first computer system, the message comprising message content 2701 … .” Paragraph [0022], “An objective of this system is to provide a form of event notification that is defined by one user and optionally controllable by the target user according to a number of specifications.” Paragraph [0077], “In one embodiment a dynamic interactive alert is created by the following steps: … .” The building of an alert message is then disclosed from paragraph [0077] to paragraph [00102].
the GUI message attributes and the GUI message functionality such that the message includes aspects of how the second computer system is to display the message content, said message content including instructing a desired period of time said alert message is to be displayed;	Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”

in response to the request, transmitting the message from the first computer system to a group of computer systems wherein the group of computer systems comprises the second computer system,	Fig. 27, Paragraph [0075] “… causing the message to be transmitted 2707 from the first computer system to a group of computer systems comprising the second computer system, the message being transmitted responsive to 2706 a request from the message, the request initiated 2710 from other than the second computer system 2709.”
each computer system in said group of computer systems subscribing to messages from said first computer,	Fig. 3, Paragraph [0026], “The subscriber 305-306 sends subscription requests 307 to an instance of the pub/sub service 304 and, subject to acceptance of a particular subscription request, receives content 308 from the pub/sub service.”
each computer system in said group of computer systems extracting from said message, said attributes and functionality to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed,	Paragraph [0076], “In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … .”
the display of the message under individual control of each computer system in said group of computer systems; and	Paragraph [0068], “In Fig. 25 1911, the response IM message ‘B’ from Subscriber ‘B’ SkillTap IM message ‘B’ is operated on 2501 by … User preferences … . The preferences 2502 include customizing the special incoming alert message GUI and display options. Based on the options, a local SkillTap application presents an alert of an incoming SkillTap response IM 2503.”
filtering the message by a filter in	Fig. 4, Filter 1, 420 and Filter 2, 422.

each computer system in said group of computer systems, each filter for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said respective computer system.	Paragraph [0041], "In Fig. 8, an example filter window 801 is shown. Shotgun users subscribing to the SkillTap service are permitted to define message content filters. The example filter 802 of Fig. 8 shows a Boolean list of keywords or'd together. The Boolean 'OR' is depicted by '|'. The filter defines the user's areas of interest or expertise. … When Brian sent his request, the words in his request would have to pass the listener's filter in order for the listener to see the request."
CLAIM 107 107. A computer program product recorded on a non-transitory computer readable medium for presenting a message received from a first computer system for display on a second computer system, the computer program product comprising:	Paragraph [00107], "The present invention can be included in an article of manufacture (e.g., one or more computer program products) having, for instance, computer usable media." Paragraph [0019], "Prior art does not provide the capability to create, send or receive alert notifications that include the instructions of how they might be experienced (displayed, interacted with or expressed) independent of the protocol, device, and environment or location. This invention achieves such capability … ."
subscribing by said second computer system, to messages from said first computer system;	Fig. 3, Paragraph [0026], "Referring to Fig. 3 a pub/sub system is made up of a Content Provider application (Service) 301-303, the Subscriber (Client) 305-306, and the Pub/Sub Service 304. … The subscriber 305-306 sends subscription requests 307 to an instance of the pub/sub service 304 and, subject to acceptance of a particular subscription request, receives content 308 from the pub/sub service."
receiving the message from the first computer system at the second computer	Paragraph [0073], "The present invention provides a method for creating dynamic

system wherein the message includes an alert message of an event wherein the event is external to the second computer system, said message including aspects of how the second computer system is to display the message	interactive messages, also known as notifications or alerts. Such messages may be defined by an extensible message format to define graphical user interface representation and the methods by which the computer environment and end user might interact with said message." Paragraph [0074], "The following represents example services enabled by the present invention. The first three examples uses alerts in an Education domain such as High School, University or Commercial enterprise: … ." Paragraph [0021], "An event occurs on a client system of which the user desires notification. The notification message defines all aspects of how the target user might experience the message." Paragraph [0077], "In one embodiment a dynamic interactive alert is created by the following steps: … ." The building of an alert message is then disclosed from paragraph [0077] to paragraph [00102]. Fig. 22, Paragraph [0064], "As part of the setup Subscriber 'B' can elect to be warned of incoming messages by enabling 2208 an alert mechanism."
including instructing a desired length of time said alert message is to be displayed, the display of the message under individual control of the second computer system:	Paragraph [0076], "In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system; extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … ."
decoding the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system;	Paragraph [0076], "In one embodiment, referring to Fig. 28, the method further comprises the following steps: receiving 2801 the message from the first computer system at the second computer system; decoding 2802 the message at the second computer system, the decoding resulting in a format suitable for processing on

	second computer system;
extracting said aspects including attributes, functionality and content from the message at the second computer system to instruct said second computer system how to display the user interactive GUI representation including instructions for the desired length of time said alert message is to be displayed;	extracting 2803 attributes 2805, functionality 2806 and content 2804 from the message at the first computer system, the attributes 2805 comprising any on of … length of visual persistence, … ."
creating a user interactive GUI representation at the second computer system, the user interactive GUI representation comprising one or more user input functions, the user input function selectable by a user, the interactive GUI representation further comprising attributes, content and functionality defined by the extracted attributes, content and functionality of the message; and	Paragraph [0068], "In Fig. 25 1911, the response IM message 'B' from Subscriber 'B' SkillTap IM message 'B' is operated on 2501 by … User preferences … . The preferences 2502 include customizing the special incoming alert message GUI and display options. Based on the options, a local SkillTap application presents an alert of an incoming SkillTap response IM 2503."
filtering the message by a filter in the second computer system, said filter for filtering for keywords of interest to the second computer system such that the message would have to contain the keywords of interest before the second computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said second computer system; and	Fig. 4, Filter 1, 420 and Filter 2, 422. Paragraph [0041], "In Fig. 8, an example filter window 801 is shown. Shotgun users subscribing to the SkillTap service are permitted to define message content filters. The example filter 802 of Fig. 8 shows a Boolean list of keywords or'd together. The Boolean 'OR' is depicted by '|'. The filter defines the user's areas of interest or expertise. … When Brian sent his request, the words in his request would have to pass the listener's filter in order for the listener to see the request."

displaying the user interactive GUI representation seen at the second computer system for the desired length of time said alert message is to be displayed.	Fig. 28, 2809, “DISPLAY CUSTOM INTERACTIVE GUI.”

VI. GROUNDS TO BE REVIEWED ON APPEAL

(37 C.F.R. § (c)(1)(vi))

NOTE: A concise statement of each ground of rejection presented for review such as: Claims 1 to 10 stand rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. X.

Claims 1, 8, 76, 100 AND 107 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Gupta et al., U.S. Publication No. 2002/0099777 A1, (hereinafter Gupta) in view of Henderson et al., U.S. Patent No. 6,185,603 B1 (hereinafter Henderson), further in view of Manber et al., U.S. Patent No. 6,651,806 B1 (hereinafter Manber), and further in view of Bolam et al. U.S. Patent No. 6,154,781 (hereinafter Bolam).

VII. ARGUMENT

(37 C.F.R. § (c)(7))

Note: If appellant wishes to have a claim considered separately, he must explain why it is separately patentable in a separate subheading. Failure to argue patentability of a claim under a separate subheading will result in a waiver of appellant’s right to have each claim considered separately by the Board.

VIID. ARGUMENTS—REJECTIONS UNDER 35 U.S.C. § 103

Claims 1, 8, 76, 83, 100 and 107, the independent claims of appeal herein, stand rejected under 35 U.S.C. 103(a) as being unpatentable over Gupta, Henderson, Manber and Bolam.

Gupta describes a system and method for integrating collaboration activities into email. The term "collaborative message" is used to describe this special email. The collaborative message includes a query portion 132, a feedback portion 134, a respondent's portion 136, and an attachment portion 138 (see FIG. 2). At paragraph [0050], examples of collaborative email have been given to include, new message icon, a menu selection, a control-key sequence, a particular one of multiple templates or forms stored by the email program, forwarding templates or forms stored by the email program, and forwarding of a previously received collaborative email message.

As disclosed in the abstract, Henderson discloses a messaging system which uses the standard email subject line to control where a message gets delivered, when the message gets delivered and the appearance of a message when it gets delivered. Several codes control the features of the alerting message. Using these codes, the user can then specify when, and how often and in what manner the alert message is displayed to the recipient in a window on the recipient’s workstation.

Manber discloses systems and methods for connecting two or more individuals to an internet conversation based on their mutual interests, the current content they may be viewing and what they want to talk about at that time. An individual who starts a conversation maintains full control over who is aloe to join that conversation as well as how many are able to join at any one time. At column 1, lines 64-66, Manber discloses that the user enters a comment, or comments, that preferably is intended to spark an interest in other users.

Bolam discloses a publish/subscribe data processing broker network having a plurality of broker data processing apparatuses each of which has an input for receiving published messages directly from a publisher application and/or receiving subscription data from a subscriber application. Column 2 lines 14-34 set out that in order to allow the broker network 2 to determine which published messages should be sent to which subscribers, publishers provide the root distribution agent 21 with the name of a distribution stream for each published. Subscribers are also allowed to provide filter expressions to the broker network in order to provide filter expressions to the broker network in order to limit the messages which will be received on a particular stream.

As to the examiner's responses to applicant's arguments, the examiner argues in paragraph 5 that paragraph [0056], lines 1-6 of Gupta discloses a number of controls for the email. However in Gupta, all of the references are to "the author" [0055] ln. 2, "by the author", [[0056], ln. 1, "allows the author", and [0057], l. 1-2 "allows the author", etc. This is different from the claims wherein, for example, each computer system in the group of computer systems extracts from the message, the attributes and functionality to instruct each computer system how to display the user interactive GUI. In paragraph 6, the examiner argues that Gupta discloses the creation of a message with various aspects ([0056], ln. 1-6 and sending of this message to a plurality of other systems {[0064]). However, in Gupta a collaborative message is sent to a plurality of other systems. Paragraph [0077] discloses, "Opening of a collaborative email message refers to displaying the content of the collaborative email message to the user (typically in response to a user selection of the collaborative email message)." It is submitted that in Gupta, there is no teaching or suggestion that attributes and functionality of the message may be extracted to instruct the receiving computer system how to display the GUI as claimed, particularly the length of time the message is to be displayed, as claimed.

As per paragraph 7, 8, and 10 the examiner has stated that arguments against references individually cannot show nonobviousness by attacking references individually where rejections are based on combinations of references. This reinforces why all amendments by the applicant include the argument that the claims are allowable over the combinations of references cited by the examiner. For instance, the amendments filed 1/13/2010 and 5/2/2011 argue "If Gupta, Manber and Henderson (and Bolam 5/2/11) were combined as suggested by the examiner, an email delivery system would result in which mail messages are addressed to users, and in which the users would search all mail and websites for topics on subjects which the user like to join (and in which the broker determines which message is sent to which subscribers, 5/2/11) rather than the claimed methods, systems and program products in which message are sent to subscribing second computer systems, the second computer system filtering the message to see if it contained keywords of interest to the second computer system, and only displaying messages of specific interest to the second computer system and blocking all messages not containing the keywords, as claimed."

As per paragraph 9, the limitation that the second computer is anonymous to the first computer was dropped as a limitation to the claims in an amendment filed 2/18/2009. The argument referred to by the examiner was merely pointing out the difference in a first computer inviting a second computer to join in a conversation as being different from a subscription system wherein the first computer sends message to subscribing computers without needing to know the identities of the subscribing computers.

As per paragraph 11, the examiner argues that the abstract of Manber discloses the claimed subject matter. It is submitted that the abstract of Manber does not disclose a system wherein users subscribe to messages from a first computer. The abstract discloses "The techniques of the present invention allow an individual who starts a conversation to maintain full control over who is able to join that conversation as well as how many are able to join at any one time." And also "The conversation starter reviews the comment, and if the comment is subjectively acceptable, the conversation starter brings the responding user into a conversation." It is submitted that this language does not teach or suggest a subscription system as claimed.

As per paragraph 12, the examiner agues that Bolam does disclose a group of computer systems performing the filtering in that there are a plurality of clients sending filter expressions and a plurality of distribution agents performing the filtering (FIG. 1

Col 2, ln. 27-34). What those lines say, "Subscribers are also allowed to provide filter expressions to the broker network in order to limit the messages which will be received on a particular stream (e.g., a subscriber 31 interested in only IBM stock quotes could subscribe to the stream 'stock' stream relating to IBM stock should be sent to subscriber 31)." This language teaches away from the claims in that the claims claim that each computer receiving alert messages has a filter "for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message." Thus in Bolam, it is a broker network that does the filtering. This means that in Bolam, the filter expressions are sent to the broker network, and then the filter network sends only filtered messages to the subscriber. In the claims, all of the subscribers receive the same message, and then each computer system filters the messages for messages having keywords of interest.

As per the claims:

CLAIM 1

Claim 1 is directed to a method for creating a message at a first computer system for display on a second computer system. In Gupta, a collaborative email message is designed by the author (see paragraph [0055] lines 20-25 and [0056] lines 1-6). Claim 1 further claims that the display of the message is under individual control of each computer system in the group of computer systems. It is submitted that the collaborative email messages of Gupta are generated by the author (see [0054] – [0058]) and sent to each of the email servers associated with a recipient identified in the distribution list (see [0064]). In Gupta, the display of the collaborative email is not controlled as claimed, but rather additions are made to the collaborative email without the email itself being altered. For instance, "adding comments to the message, forwarding the message, copying the message to a folder, deleting the message, etc" (see [0093]) and "The recipient is able to enter whatever types of comments he or she would like, including text, drawings, tables, other insertable objects (see [0088]). As claimed, these controls are determined by the recipient by extracting attributes and message functionality. Attributes are set out in paragraph [00100] of the application and functionalities are set out in paragraph [00101] of the present application. As set out in paragraph [00104] of the application, the application program at the user computer receiving the Alert message further comprises program code for preprocessing the message content before building the GUI according to the content of the message. Paragraph [0056], ln. 1-6 and paragraph [0055], ln 20-25 referred to by the examiner as showing attributes and functionality are a format menu and a menu bar used by the author to assist in the formatting and generation of the message content area (see [0055], ln. 1-5). Paragraph [0064], ln. 5-9 describes "Sending the collaborative email message results in the collaborative email message (or an identifier of the collaborative email message) being communicated to each of the email servers associated with a recipient identified in the distribution list." In Gupta, the recipient does not extract the attributes and functionality in order "to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed, the display of the message under individual control of each computer system in said group of computer systems" as claimed. Paragraphs [0049], ln. 1-3 and 6-12; [0055], ln. 20-25; [0056] ln. 1-6 and [0064] merely states how the author or user creates the collaborative email message. It is submitted that there is no discussion in Gupta as to how each computer system controls the display of the message under individual control of each computer system, as claimed. There is a mention in [0074], ln. 5-10 that messages may be automatically filtered upon receipt, that this filtering is to allow "collaborative email messages to be copied or moved to a particular folder(s) of the recipient for easy organization" and not "for filtering keywords of interest to the respective other computer system" as claimed. The examiner refers to [0049], line 1-3 and [0077] line 1-9. The referenced paragraphs and lines disclose a "collaborative email message being created by a user" and "a collaborative email message received by a user". Claim 1 claims, "creating a message at a first computer system for display on a second computer system" and not a collaborative email message as disclosed in Gupta.

Henderson discloses a messaging system which uses the standard email subject line to control where a message gets delivered, when a message gets delivered and the appearance of a message when it gets delivered (see abstract, lines 1-3). The examiner references column 7 lines 12-18 and 30-62 as showing an alert message and including instructing a desired period of time the alert message is to be displayed. However, Henderson does not show, teach or suggest that "each computer system in said group of computer systems subscribing to messages from said first computer" as claimed. Further, Henderson does not show, teach or suggest that the display of he message is under the individual control of each computer system in said group of computer systems, as claimed.

Manber discloses a system in which a user identifies or locates a story or topic by conducting a topic or keyword search and then joins a conversation by the conversation starter bringing the responding user into the conversation. In Manber, "The techniques of the present invention allow an individual who starts a conversation to maintain full control over who is able to join that conversation as well as how many are able to join at any one time " (see the abstract, lines 4-8). Claim 1 claims each computer system in said group of computer systems subscribing to messages from said first computer. The first computer does not invite the second computer system to join a conversation and does need to invite the second computer to join the conversation. The message goes to all who subscribe to the channel over which the message is sent. Claim 1 claims that the display of the message is under the individual control of each computer system in said group of computer system. Further, in Manber, a user conducts a topic or keyword search to find topics of interest, whereas in claim 1, individual computers in a group of computers independently search the message using keywords to see message of specific interest rather than seeking to join a conversation as in Manber. The examiner cites Fig. 4 of Manber as showing subscribing to messages from the first computer system. However, "Fig. 4 illustrates a page including a list of conversations according to an embodiment of the present invention" (see column 3, lines 8-9 of Manber) and not subscribing to messages as claimed.

Bolam discloses a broker network 2 which determines which published messages should be sent to which subscribers. "Subscribers are also allowed to provide filter expressions to the broker network in order to limit the messages which will be received on a particular stream" (see column 2, lines 14-30). Thus, in Bolam it is the broker which filters the messages in determining which messages are sent to the subscribers, whereas claim 1 claims, "filtering the message by a filter in each computer system is said group of computer systems". Thus in Bolam, the filtering is done by the broker network 2 of Fig. 1. In claim 1, each computer system filters the message by a filter to determine which message is to be seen by the computer system and which messages are to be blocked. Thus, in Bolam, the subscriber must send "filter expressions to the broker network" and in Bolam is disclosed a system "In order to allow the broker network 2 to determine which published messages should be sent to which subscribers … ." In the claim 1, the same message is sent to all of the computer systems, and each computer system filters the messages before the respective computer system sees the message. Such a method is not shown, taught or suggested by Bolam.

If Gupta, Manber, Henderson and Bolam were combined as suggested by the examiner, an email delivery system would result in which mail messages are addressed to users, and in which the users would search all mail and websites for topics on subjects which the user would like to join and in which the broker determines which message is sent to which subscribers, rather than the claimed method in which messages are sent to subscribing second computer systems, the display of the message is independently controlled by each second computer system, each second computer system filtering the message to see if it contained keywords of interest to the second computer system, and only displaying messages of specific interest to that second computer system and blocking all messages not containing the keywords, as claimed. It is submitted that claim 1 is allowable under 35 U.S.C. 103(a) over Gupta in view of Henderson, further in view of Manber, and further in view of Bolam, and reversal of the examiner is respectfully respected.

Claim 8

Claim 8 is directed to a method for presenting a message received from a first computer system for display on a second computer system. In Gupta, a collaborative email message is designed by the author (see paragraph [0055] lines 20-25 and [0056] lines 1-6). Claim 8 further claims that the display of the message is under individual control of the second computer. It is submitted that the collaborative email messages of Gupta are generated by the author (see [0054] – [0058]) and sent to each of the email servers associated with a recipient identified in the distribution list (see [0064]). In Gupta, the display of the collaborative email is not controlled as claimed, but rather additions are made to the collaborative email without the email itself being altered. For instance, "adding comments to the message, forwarding the message, copying the message to a folder, deleting the message, etc" (see [0093]) and "The recipient is able to enter whatever types of comments he or she would like, including text, drawings, tables, other insertable objects (see [0088]). As claimed, these controls are determined by the recipient by extracting attributes and message functionality. Attributes are set out in paragraph [00100] of the application and functionalities are set out in paragraph [00101] of the present application. As set out in paragraph [00104] of the application, the application program at the user computer receiving the Alert message further comprises program code for preprocessing the message content before building the GUI according to the content of the message. Paragraph [0056], ln. 1-6 and paragraph [0055], ln 20-25 referred to by the examiner as showing attributes and functionality are a format menu and a menu bar used by the author to assist in the formatting and generation of the message content area (see [0055], ln. 1-5). Paragraph [0064], ln. 5-9 of Gupta describes "Sending the collaborative email message results in the collaborative email message (or an identifier of the collaborative email message) being communicated to each of the email servers associated with a recipient identified in the distribution list." In Gupta, the display of the message is not "under individual control of the second computer system;" as claimed. Paragraphs [0049], ln. 1-3 and 6-12; [0055], ln. 20-25; [0056] ln. 1-6 and [0064] merely states how the author or user creates the collaborative email message. It is submitted that there is no discussion in Gupta as to how the display of the message is under the individual control of the second computer system, as claimed. There is a mention in [0074], ln. 5-10 that messages may be automatically filtered upon receipt, that this filtering is to allow "collaborative email messages to be copied or moved to a particular folder(s) of the recipient for easy organization" and not "for filtering keywords of interest to the respective other computer system" as claimed. The examiner refers to [0049], line 1-3 and [0077] line 1-9. The referenced paragraphs and lines disclose a "collaborative email message being created by a user" and "a collaborative email message received by a user". Claim 8 claims, "presenting a message received from a first computer system for display on a second computer system." and not a collaborative email message as disclosed in Gupta.

Henderson discloses a messaging system which uses the standard email subject line to control where a message gets delivered, when a message gets delivered and the appearance of a message when it gets delivered (see abstract, lines 1-3). The examiner references column 7 lines 12-18 and 30-62 as showing an alert message and including instructing a desired period of time the alert message is to be displayed. However, Henderson does not show, teach or suggest that "subscribing by said second computer system, to messages from said first computer system" as claimed. Further, Henderson does not show, teach or suggest that the display of he message is under the individual control of the second computer system, as claimed.

Manber discloses a system in which a user identifies or locates a story or topic by conducting a topic or keyword search and then joins a conversation by the conversation starter bringing the responding user into the conversation. In Manber, "The techniques of the present invention allow an individual who starts a conversation to maintain full control over who is able to join that conversation as well as how many are able to join at any one time " (see the abstract, lines 4-8). Claim 8 claims a second computer system subscribes to messages from the first computer. The first computer does not invite the second computer system to join a conversation and does need to invite the second computer to join the conversation. The message goes to all who subscribe to the channel over which the message is sent. Claim 8 claims that the display of the message is under the individual control of the second computer system. Further, in Manber, a user conducts a topic or keyword search to find topics of interest, whereas in claim 8, individual computers in a group of computers independently filter the message using keywords to see messages of interest rather than seeking to join a conversation as in Manber. The examiner cites Fig. 4 of Manber as showing subscribing to messages from the first computer system. However, "Fig. 4 illustrates a page including a list of conversations according to an embodiment of the present invention" (see column 3, lines 8-9 of Manber) and not subscribing to messages as claimed.

Bolam discloses a broker network 2 which determines which published messages should be sent to which subscribers. "Subscribers are also allowed to provide filter expressions to the broker network in order to limit the messages which will be received on a particular stream" (see column 2, lines 14-30). Thus, in Bolam it is the broker which filters the messages in determining which messages are sent to the subscribers, whereas claim 8 claims, "filtering the message by a filter in each computer system is said group of computer systems". Thus in Bolam, the filtering is done by the broker network 2 of Fig. 1. In claim 8, each computer system filters the message by a filter to determine which message is to be seen by the computer system and which messages are to be blocked. Thus, in Bolam, the subscriber must send "filter expressions to the broker network" and in Bolam it is disclosed a system "In order to allow the broker network 2 to determine which published messages should be sent to which subscribers … ." In the claims, the same message is sent to all of the computer systems, and each computer system filters the messages before the respective computer system sees the message. Such a method is not shown, taught or suggested by Bolam.

If Gupta, Manber, Henderson and Bolam were combined as suggested by the examiner, an email delivery system would result in which mail messages are addressed to users, and in which the users would search all mail and websites for topics on subjects which the user would like to join and in which the broker determines which message is sent to which subscribers, rather than the claimed method in which messages are sent to subscribing second computer systems, the display of the message is independently controlled by each second computer system, the second computer system filtering the message to see if it contained keywords of interest to the second computer system, and only displaying messages of specific interest to the second computer system and blocking all messages not containing the keywords, as claimed. It is submitted that claim 8 is allowable under 35 U.S.C. 103(a) over Gupta in view of Henderson, further in view of Manber, and further in view of Bolam, and reversal of the examiner is respectfully respected.

Claim 76

Claim 76 is directed to a system for creating a message at a first computer system for display on a second computer system. In Gupta, a collaborative email message is designed by the author (see paragraph [0055] lines 20-25 and [0056] lines 1-6). Claim 76 further claims that a group of computer systems comprises the second computer system, and that the display of the message is under individual control of the second computer system such that the display of the message at the second computer system is determined by a user of the second computer system, and the message content defines a problem. It is submitted that the collaborative email messages of Gupta are generated by the author (see [0054] – [0058]) and sent to each of the email servers associated with a recipient identified in the distribution list (see [0064]). In Gupta, the display of the collaborative email is not controlled as claimed, but rather additions are made to the collaborative email without the email itself being altered. For instance, "adding comments to the message, forwarding the message, copying the message to a folder, deleting the message, etc" (see [0093]) and "The recipient is able to enter whatever types of comments he or she would like, including text, drawings, tables, other insertable objects (see [0088]). As claimed in claim 76, these controls are determined by the recipient by extracting attributes and message functionality. Attributes are set out in paragraph [00100] of the application and functionalities are set out in paragraph [00101] of the present application. As set out in paragraph [00104] of the application, the application program at the user computer receiving the Alert message further comprises program code for preprocessing the message content before building the GUI according to the content of the message. Paragraph [0056], ln. 1-6 and paragraph [0055], ln 20-25 referred to by the examiner as showing attributes and functionality are a format menu and a menu bar used by the author to assist in the formatting and generation of the message content area (see [0055], ln. 1-5).

Paragraph [0064], ln. 5-9 describes "Sending the collaborative email message results in the collaborative email message (or an identifier of the collaborative email message) being communicated to each of the email servers associated with a recipient identified in the distribution list." In Gupta, the recipient does not extract the attributes and functionality "to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed, the display of the message under individual control of the second computer system such that the display of the message at the second computer system is determined by a user of the second computer system, and the message content defines a problem;" as claimed. Paragraphs [0049], ln. 1-3 and 6-12; [0055], ln. 20-25; [0056] ln. 1-6 and [0064] merely states how the author or user creates the collaborative email message. It is submitted that there is no discussion in Gupta to instruct each computer system as to how the display of the user interactive GUI representation at each computer system, as claimed. There is a mention in [0074], ln. 5-10 that messages may be automatically filtered upon receipt, the this filtering is to allow "collaborative email messages to be copied or moved to a particular folder(s) of the recipient for easy organization" and not "for filtering keywords of interest to the respective other computer system" as claimed. The examiner refers to [0049], line 1-3 and [0077] line 1-9. The referenced paragraphs and lines disclose a "collaborative email message being created by a user" and "a collaborative email message received by a user." Claim 76 claims "creating a message at a first computer system for display on a second computer system" and not a collaborative email message as disclosed in Gupta.

Henderson discloses a messaging system which uses the standard email subject line to control where a message gets delivered, when a message gets delivered and the appearance of a message when it gets delivered (see abstract, lines 1-3). The examiner references column 7 lines 12-18 and 30-62 as showing an alert message and including instructing a desired period of time the alert message is to be displayed. However, Henderson does not show, teach or suggest that "each computer system in said group of computer systems subscribing to messages from said first computer" as claimed. Further, Henderson does not show, teach or suggest that the display of he message is under the individual control of each computer system in said group of computer systems, as claimed.

Manber discloses a system in which a user identifies or locates a story or topic by conducting a topic or keyword search and then joins a conversation by the conversation starter bringing the responding user into the conversation. In Manber, "The techniques of the present invention allow an individual who starts a conversation to maintain full control over who is able to join that conversation as well as how many are able to join at any one time " (see the abstract, lines 4-8). Claim 76 claims each computer system in said group of computer systems subscribing to messages from said first computer. The first computer does not invite the second computer system to join a conversation and does need to invite the second computer to join the conversation. The message goes to all who subscribe to the channel over which the message is sent. Claim 76 claims that the display of the message is under the individual control of the second computer system. Further, in Manber, a user conducts a topic or keyword search to find topics of interest, whereas in claim 76, individual computers in a group of computers independently search the message using keywords to see message of specific interest rather than seeking to join a conversation as in Manber. The examiner cites Fig. 4 of Manber as showing subscribing to messages from the first computer system. However, "Fig. 4 illustrates a page including a list of conversations according to an embodiment of the present invention" (see column 3, lines 8-9 of Manber) and not subscribing to messages as claimed.

Bolam discloses a broker network 2 which determines which published messages should be sent to which subscribers. "Subscribers are also allowed to provide filter expressions to the broker network in order to limit the messages which will be received on a particular stream" (see column 2, lines 14-30). Thus, in Bolam it is the broker which filters the messages in determining which messages are sent to the subscribers, whereas claim 76 claims filtering the problem defined in the message by a filter in each computer system in the group of computer systems. Thus in Bolam, the filtering is done by the broker network 2 of Fig. 1. In claim 76, each computer system filters the message by a filter to determine which message is to be seen by the computer system and which messages are to be blocked. Thus, in Bolam, the subscriber must send "filter expressions to the broker network" and in Bolam is disclosed a system "In order to allow the broker network 2 to determine which published messages should be sent to which subscribers … ." In the claim 76, the same message is sent to all of the computer systems, and each computer system filters the messages before the respective computer system sees the message. Such a system is not shown, taught or suggested by Bolam.

If Gupta, Manber, Henderson and Bolam were combined as suggested by the examiner, an email delivery system would result in which mail messages are addressed to users, and in which the users would search all mail and websites for topics on subjects which the user would like to join and in which the broker determines which message is sent to which subscribers, rather than the claimed system in which messages are sent to subscribing second computer systems, the display of the message is independently controlled by each second computer system, each second computer system filtering the message to see if it contained keywords of interest to the second computer system, and only displaying messages of specific interest to that second computer system and blocking all messages not containing the keywords, as claimed. It is submitted that claim 76 is allowable under 35 U.S.C. 103(a) over Gupta in view of Henderson, further in view of Manber, and further in view of Bolam, and reversal of the examiner is respectfully respected.

CLAIM 83

Claim 83 is directed to a system for presenting a message received from a first computer system for display on a second computer system. In Gupta, a collaborative email message is designed by the author (see paragraph [0055] lines 20-25 and [0056] lines 1-6). Claim 83 further claims that the display of the message is under individual control of the second computer. It is submitted that the collaborative email messages of Gupta are generated by the author (see [0054] – [0058]) and sent to each of the email servers associated with a recipient identified in the distribution list (see [0064]). In Gupta, the display of the collaborative email is not controlled as claimed, but rather additions are made to the collaborative email without the email itself being altered. For instance, "adding comments to the message, forwarding the message, copying the message to a folder, deleting the message, etc" (see [0093]) and "The recipient is able to enter whatever types of comments he or she would like, including text, drawings, tables, other insertable objects (see [0088]). As claimed, these controls are determined by the recipient by extracting attributes and message functionality. Attributes are set out in paragraph [00100] of the application and functionalities are set out in paragraph [00101] of the present application. As set out in paragraph [00104] of the application, the application program at the user computer receiving the Alert message further comprises program code for preprocessing the message content before building the GUI according to the content of the message. Paragraph [0056], ln. 1-6 and paragraph [0055], ln 20-25 referred to by the examiner as showing attributes and functionality are a format menu and a menu bar used by the author to assist in the formatting and generation of the message content area (see [0055], ln. 1-5). Paragraph [0064], ln. 5-9 of Gupta describes "Sending the collaborative email message results in the collaborative email message (or an identifier of the collaborative email message) being communicated to each of the email servers associated with a recipient identified in the distribution list." In Gupta, the display of the message is not "under individual control of the second computer system;" as claimed. Paragraphs [0049], ln. 1-3 and 6-12; [0055], ln. 20-25; [0056] ln. 1-6 and [0064] merely states how the author or user creates the collaborative email message. It is submitted that there is no discussion in Gupta as to how the display of the message is under the individual control of the second computer system, as claimed. There is a mention in [0074], ln. 5-10 that messages may be automatically filtered upon receipt, that this filtering is to allow "collaborative email messages to be copied or moved to a particular folder(s) of the recipient for easy organization" and not "for filtering keywords of interest to said second computer system" as claimed. The examiner refers to [0049], line 1-3 and [0077] line 1-9. The referenced paragraphs and lines disclose a "collaborative email message being created by a user" and "a collaborative email message received by a user". Claim 83 claims "presenting a message received from a first computer system for display on a second computer system." and not a collaborative email message as disclosed in Gupta.

Henderson discloses a messaging system which uses the standard email subject line to control where a message gets delivered, when a message gets delivered and the appearance of a message when it gets delivered (see abstract, lines 1-3). The examiner references column 7 lines 12-18 and 30-62 as showing an alert message and including instructing a desired period of time the alert message is to be displayed. However, Henderson does not show, teach or suggest "subscribing by said second computer system, to messages from said first computer system" as claimed. Further, Henderson does not show, teach or suggest that the display of he message is under the individual control of the second computer system, as claimed.

Manber discloses a system in which a user identifies or locates a story or topic by conducting a topic or keyword search and then joins a conversation by the conversation starter bringing the responding user into the conversation. In Manber, "The techniques of the present invention allow an individual who starts a conversation to maintain full control over who is able to join that conversation as well as how many are able to join at any one time " (see the abstract, lines 4-8). Claim 83 claims a second computer system subscribes to messages from the first computer. The first computer does not invite the second computer system to join a conversation and does need to invite the second computer to join the conversation. The message goes to all who subscribe to the channel over which the message is sent. Claim 83 claims that the display of the message is under the individual control of the second computer system. Further, in Manber, a user conducts a topic or keyword search to find topics of interest, whereas in claim 83, the second computer system searches the message using keywords to see messages of interest to the second computer system rather than seeking to join a conversation as in Manber. The examiner cites Fig. 4 of Manber as showing subscribing to messages from the first computer system. However, "Fig. 4 illustrates a page including a list of conversations according to an embodiment of the present invention" (see column 3, lines 8-9 of Manber) and not subscribing to messages as claimed.

Bolam discloses a broker network 2 which determines which published messages should be sent to which subscribers. "Subscribers are also allowed to provide filter expressions to the broker network in order to limit the messages which will be received on a particular stream" (see column 2, lines 14-30). Thus, in Bolam it is the broker which filters the messages in determining which messages are sent to the subscribers, whereas claim 83 claims "filtering the message by a filter in the second computer system". Thus in Bolam, the filtering is done by the broker network 2 of Fig. 1. In claim 83, the second computer system filters the message by a filter to determine which message is to be seen by the second computer system and which messages are to be blocked. Thus, in Bolam, the subscriber must send "filter expressions to the broker network" and in Bolam it is disclosed a system "In order to allow the broker network 2 to determine which published messages should be sent to which subscribers … ." In claim 83, the message is sent to the second computer system, and the filter of the second computer system filters the messages before the second computer system sees the message. Such a system is not shown, taught or suggested by Bolam.

If Gupta, Manber, Henderson and Bolam were combined as suggested by the examiner, an email delivery system would result in which mail messages are addressed to users, and in which the users would search all mail and websites for topics on subjects which the user would like to join and in which the broker determines which message is sent to which subscribers, rather than the claimed system in which messages are sent to subscribing second computer systems, the display of the message is independently controlled by each second computer system, the second computer system filtering the message to see if it contained keywords of interest to the second computer system, and only displaying messages of specific interest to the second computer system and blocking all messages not containing the keywords, as claimed. It is submitted that claim 83 is allowable under 35 U.S.C. 103(a) over Gupta in view of Henderson, further in view of Manber, and further in view of Bolam, and reversal of the examiner is respectfully respected.

CLAIM 100

Claim 100 is directed to a computer program product for creating a message at a first computer system for display on a second computer system. In Gupta, a collaborative email message is designed by the author (see paragraph [0055] lines 20-25 and [0056] lines 1-6). Claim 100 further claims that the display of the message is under individual control of each computer system in the group of computer systems. It is submitted that the collaborative email messages of Gupta are generated by the author (see [0054] – [0058]) and sent to each of the email servers associated with a recipient identified in the distribution list (see [0064]). In Gupta, the display of the collaborative email is not controlled as claimed, but rather additions are made to the collaborative email without the email itself being altered. For instance, "adding comments to the message, forwarding the message, copying the message to a folder, deleting the message, etc" (see [0093]) and "The recipient is able to enter whatever types of comments he or she would like, including text, drawings, tables, other insertable objects (see [0088]). As claimed, these controls are determined by the recipient by extracting attributes and message functionality. Attributes are set out in paragraph [00100] of the application and functionalities are set out in paragraph [00101] of the present application. As set out in paragraph [00104] of the application, the application program at the user computer receiving the Alert message further comprises program code for preprocessing the message content before building the GUI according to the content of the message. Paragraph [0056], ln. 1-6 and paragraph [0055], ln 20-25 referred to by the examiner as showing attributes and functionality are a format menu and a menu bar used by the author to assist in the formatting and generation of the message content area (see [0055], ln. 1-5). Paragraph [0064], ln. 5-9 describes "Sending the collaborative email message results in the collaborative email message (or an identifier of the collaborative email message) being communicated to each of the email servers associated with a recipient identified in the distribution list." In Gupta, the recipient does not extract the attributes and functionality "to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed, the display of the message under individual control of each computer system in said group of computer systems;" as claimed. Paragraphs [0049], ln. 1-3 and 6-12; [0055], ln. 20-25; [0056] ln. 1-6 and [0064] merely states how the author or user creates the collaborative email message. It is submitted that there is no discussion in Gupta to instruct each computer system in said group of computers systems as to how the display of the user interactive GUI representation, as claimed. There is a mention in [0074], ln. 5-10 that messages may be automatically filtered upon receipt, the this filtering is to allow "collaborative email messages to be copied or moved to a particular folder(s) of the recipient for easy organization" and not "for filtering keywords of interest to the respective other computer system" as claimed. The examiner refers to [0049], line 1-3 and [0077] line 1-9. The referenced paragraphs and lines disclose a "collaborative email message being created by a user" and "a collaborative email message received by a user." Claim 100 claims "creating a message at a first computer system for display on a second computer system" and not a collaborative email message as disclosed in Gupta.

Henderson discloses a messaging system which uses the standard email subject line to control where a message gets delivered, when a message gets delivered and the appearance of a message when it gets delivered (see abstract, lines 1-3). The examiner references column 7 lines 12-18 and 30-62 as showing an alert message and including instructing a desired period of time the alert message is to be displayed. However, Henderson does not show, teach or suggest that "each computer system in said group of computer systems subscribing to messages from said first computer" as claimed. Further, Henderson does not show, teach or suggest that the display of he message is under the individual control of each computer system in said group of computer systems, as claimed.

Manber discloses a system in which a user identifies or locates a story or topic by conducting a topic or keyword search and then joins a conversation by the conversation starter bringing the responding user into the conversation. In Manber, "The techniques of the present invention allow an individual who starts a conversation to maintain full control over who is able to join that conversation as well as how many are able to join at any one time " (see the abstract, lines 4-8). Claim 100 claims each computer system in said group of computer systems subscribing to messages for said first computer. The first computer does not invite the second computer system to join a conversation and does need to invite the second computer to join the conversation. The message goes to all who subscribe to the channel over which the message is sent. Claim 100 claims that the display of the message is under the individual control of each computer system in said group of computer systems. Further, in Manber, a user conducts a topic or keyword search to find topics of interest, whereas in claim 100, each computer in a group of computers search the message using keywords to see message of specific interest rather than seeking to join a conversation as in Manber. The examiner cites Fig. 4 of Manber as showing subscribing to messages from the first computer system. However, "Fig. 4 illustrates a page including a list of conversations according to an embodiment of the present invention" (see column 3, lines 8-9 of Manber) and not subscribing to messages as claimed.

Bolam discloses a broker network 2 which determines which published messages should be sent to which subscribers. "Subscribers are also allowed to provide filter expressions to the broker network in order to limit the messages which will be received on a particular stream" (see column 2, lines 14-30). Thus, in Bolam it is the broker which filters the messages in determining which messages are sent to the subscribers, whereas claim 100 claims "filtering the message by a filter in each computer system is said group of computer systems." Thus in Bolam, the filtering is done by the broker network 2 of Fig. 1. In claim 100, each computer system filters the message by a filter to determine which message is to be seen by the computer system and which messages are to be blocked. Thus, in Bolam, the subscriber must send "filter expressions to the broker network" and in Bolam is disclosed a system "In order to allow the broker network 2 to determine which published messages should be sent to which subscribers … ." In the claim 100, the same message is sent to all of the computer systems, and each computer system filters the messages before the respective computer system sees the message. Such a computer program product is not shown, taught or suggested by Bolam.

If Gupta, Manber, Henderson and Bolam were combined as suggested by the examiner, an email delivery system would result in which mail messages are addressed to users, and in which the users would search all mail and websites for topics on subjects which the user would like to join and in which the broker determines which message is sent to which subscribers, rather than the claimed computer program product in which messages are sent to subscribing second computer systems, the display of the message is independently controlled by each second computer system, each second computer system filtering the message to see if it contained keywords of interest to the second computer system, and only displaying messages of specific interest to that second computer system and blocking all messages not containing the keywords, as claimed. It is submitted that claim 100 is allowable under 35 U.S.C. 103(a) over Gupta in view of Henderson, further in view of Manber, and further in view of Bolam, and reversal of the examiner is respectfully respected.

CLAIM 107

Claim 107 is directed to a computer program product for presenting a message received from a first computer system for display on a second computer system. In Gupta, a collaborative email message is designed by the author (see paragraph [0055] lines 20-25 and [0056] lines 1-6). Claim 107 further claims that the display of the message is under individual control of the second computer system. It is submitted that the collaborative email messages of Gupta are generated by the author (see [0054] – [0058]) and sent to each of the email servers associated with a recipient identified in the distribution list (see [0064]). In Gupta, the display of the collaborative email is not controlled as claimed, but rather additions are made to the collaborative email without the email itself being altered. For instance, "adding comments to the message, forwarding the message, copying the message to a folder, deleting the message, etc" (see [0093]) and "The recipient is able to enter whatever types of comments he or she would like, including text, drawings, tables, other insertable objects (see [0088]). As claimed, these controls are determined by the recipient by extracting attributes and message functionality. Attributes are set out in paragraph [00100] of the application and functionalities are set out in paragraph [00101] of the present application. As set out in paragraph [00104] of the application, the application program at the user computer receiving the Alert message further comprises program code for preprocessing the message content before building the GUI according to the content of the message. Paragraph [0056], ln. 1-6 and paragraph [0055], ln 20-25 referred to by the examiner as showing attributes and functionality are a format menu and a menu bar used by the author to assist in the formatting and generation of the message content area (see [0055], ln. 1-5). Paragraph [0064], ln. 5-9 of Gupta describes "Sending the collaborative email message results in the collaborative email message (or an identifier of the collaborative email message) being communicated to each of the email servers associated with a recipient identified in the distribution list." In Gupta, the display of the message is not "under individual control of the second computer system;" as claimed. Paragraphs [0049], ln. 1-3 and 6-12; [0055], ln. 20-25; [0056] ln. 1-6 and [0064] merely states how the author or user creates the collaborative email message. It is submitted that there is no discussion in Gupta as to how the display of the message is under the individual control of the second computer system, as claimed. There is a mention in [0074], ln. 5-10 that messages may be automatically filtered upon receipt, that this filtering is to allow "collaborative email messages to be copied or moved to a particular folder(s) of the recipient for easy organization" and not "for filtering keywords of interest to said second computer system" as claimed. The examiner refers to [0049], line 1-3 and [0077] line 1-9. The referenced paragraphs and lines disclose a "collaborative email message being created by a user" and "a collaborative email message received by a user". Claim 107 claims "presenting a message received from a first computer system for display on a second computer system." and not a collaborative email message as disclosed in Gupta.

Henderson discloses a messaging system which uses the standard email subject line to control where a message gets delivered, when a message gets delivered and the appearance of a message when it gets delivered (see abstract, lines 1-3). The examiner references column 7 lines 12-18 and 30-62 as showing an alert message and including instructing a desired period of time the alert message is to be displayed. However, Henderson does not show, teach or suggest "subscribing by said second computer system, to messages from said first computer system" as claimed. Further, Henderson does not show, teach or suggest that the display of he message is under the individual control of the second computer system, as claimed.

Manber discloses a system in which a user identifies or locates a story or topic by conducting a topic or keyword search and then joins a conversation by the conversation starter bringing the responding user into the conversation. In Manber, "The techniques of the present invention allow an individual who starts a conversation to maintain full control over who is able to join that conversation as well as how many are able to join at any one time " (see the abstract, lines 4-8). Claim 107 claims a second computer system subscribes to messages from the first computer. The first computer does not invite the second computer system to join a conversation and does need to invite the second computer to join the conversation. The message goes to all who subscribe to the channel over which the message is sent. Claim 107 claims that the display of the message is under the individual control of the second computer system. Further, in Manber, a user conducts a topic or keyword search to find topics of interest, whereas in claim 107, the second computer system searches the message using keywords to see messages of interest to the second computer system rather than seeking to join a conversation as in Manber. The examiner cites Fig. 4 of Manber as showing subscribing to messages from the first computer system. However, "Fig. 4 illustrates a page including a list of conversations according to an embodiment of the present invention" (see column 3, lines 8-9 of Manber) and not subscribing to messages as claimed.

Bolam discloses a broker network 2 which determines which published messages should be sent to which subscribers. "Subscribers are also allowed to provide filter expressions to the broker network in order to limit the messages which will be received on a particular stream" (see column 2, lines 14-30). Thus, in Bolam it is the broker which filters the messages in determining which messages are sent to the subscribers, whereas in the claims it is claimed, "filtering the message by a filter in the second computer system". Thus in Bolam, the filtering is done by the broker network 2 of Fig. 1. In claim 107, the second computer system filters the message by a filter to determine which message is to be seen by the second computer system and which messages are to be blocked. Thus, in Bolam, the subscriber must send "filter expressions to the broker network" and in Bolam it is disclosed a system "In order to allow the broker network 2 to determine which published messages should be sent to which subscribers … ." In claim 107, the message is sent to the second computer system, and the filter of the second computer system filters the messages before the second computer system sees the message. Such a computer program product is not shown, taught or suggested by Bolam.

If Gupta, Manber, Henderson and Bolam were combined as suggested by the examiner, an email delivery system would result in which mail messages are addressed to users, and in which the users would search all mail and websites for topics on subjects which the user would like to join and in which the broker determines which message is sent to which subscribers, rather than the claimed computer program product in which messages are sent to subscribing second computer systems, the display of the message is independently controlled by each second computer system, the second computer system filtering the message to see if it contained keywords of interest to the second computer system, and only displaying messages of specific interest to the second computer system and blocking all messages not containing the keywords, as claimed. It is submitted that claim 107 is allowable under 35 U.S.C. 103(a) over Gupta in view of Henderson, further in view of Manber, and further in view of Bolam, and reversal of the examiner is respectfully respected.

VIII. APPENDIX OF CLAIMS

(37 C.F.R. §(C)(1)(viii))

The text of the claims involved in the appeal are:

1. A method for creating a message at a first computer system for display on a second computer system, the method comprising the steps of:

initiating a request for a GUI message in response to an event wherein the event and the initiating of the request are external to the second computer system wherein said message is a notification of said event;

defining GUI message attributes;

defining GUI message functionality;

creating the message at the first computer system, the message comprising message content including an alert message, the GUI message attributes and the GUI message functionality such that the message includes aspects of how the second computer system is to display the message content, said message content including instructing a desired period of time said alert message is to be displayed; and

in response to the request, transmitting the message from the first computer system to a group of computer systems wherein the group of computer systems comprises the second computer system, each computer system in said group of computer systems subscribing to messages from said first computer, each computer system in said group of computer systems extracting from said message, said attributes and functionality to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed, the display of the message under individual control of each computer system in said group of computer systems; and

filtering the message by a filter in each computer system in said group of computer systems, each filter for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said respective computer system.

8. A method for presenting a message received from a first computer system for display on a second computer system, the method comprising the steps of:

subscribing by said second computer system, to messages from said first computer system;

receiving the message from the first computer system at the second computer system wherein the message includes an alert message of an event wherein the event is external to the second computer system, said message including aspects of how the second computer system is to display the message including instructing a desired length of time said alert message is to be displayed, the display of the message under individual control of the second computer system;

decoding the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system;

extracting said aspects including attributes, functionality and content from the message at the second computer system to instruct said second computer system how to display the user interactive GUI representation including instructions for the desired length of time said alert message is to be displayed;

creating a user interactive GUI representation at the second computer system, the user interactive GUI representation comprising one or more user input functions, the user input function selectable by a user, the interactive GUI representation further comprising attributes, content and functionality defined by the extracted attributes, content and functionality of the message;

filtering the message by a filter in each computer system in said group of computer systems, each filter for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said respective computer system; and

displaying the user interactive GUI representation seen at the second computer system for the desired length of time said alert message is to be displayed.

76. A system for creating a message at a first computer system for display on a second computer system, the system comprising:

a network;

the second computer system in communication with the network;

the first computer system in communication with the network, wherein the first computer system includes storage for storing computer instructions to execute a method comprising:

initiating a request for a GUI message in response to an event wherein the event and the initiating of the request are external to the second computer system wherein said message is a notification of said event;

defining GUI message attributes;

defining GUI message functionality;

creating the message at the first computer system, the message comprising message content including an alert message, the GUI message attributes and the GUI message functionality such that the message includes aspects of how the second computer system is to display the message content, said message content including instructing a desired period of time said alert message is to be displayed; and

in response to the request, transmitting the message from the first computer system to a group of computer systems wherein the group of computer systems comprises the second computer system, each computer system in said group of computer systems subscribing to messages from said first computer, each computer system in said group of computer systems extracting from said message, said attributes and functionality to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed, the display of the message under individual control of the second computer system such that the display of the message at the second computer system is determined by a user of the second computer system, and the message content defines a problem;

a filter in each computer system in said group of computer systems for filtering the problem defined in said message, each filter for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said respective computer system.

83. A system for presenting a message received from a first computer system for display on a second computer system, the system comprising:

a network;

the first computer system in communication with the network;

the second computer system in communication with the network, wherein the second computer system includes storage for storing computer instructions to execute a method comprising:

subscribing by said second computer system, to messages from said first computer system;

receiving the message from the first computer system at the second computer system wherein the message includes an alert message of an event wherein the event is external to the second computer system, said message including aspects of how the second computer system is to display the message including instructing a desired length of time said alert message is to be displayed, the display of the message under individual control of the second computer system;

decoding the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system;

extracting said aspects including attributes, functionality and content¯ from the message at the second computer system to instruct said second computer system how to display the user interactive GUI representation including instructions for the desired length of time said alert message is to be displayed;

creating a user interactive GUI representation at the second computer system, the user interactive GUI representation comprising one or more user input functions, the user input function selectable by a user, the interactive GUI representation further comprising attributes, content and functionality defined by the extracted attributes, content and functionality of the message;

filtering the message by a filter in said second computer system, said filter for filtering for keywords of interest to the second computer system such that the message would have to contain the keywords of interest before the second computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said second computer system; and

displaying the user interactive GUI representation seen at the second computer system for the desired length of time said alert message is to be displayed.

100. A computer program product for creating a message at a first computer system for display on a second computer system, the computer program product comprising:

a non-transitory storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for performing a method comprising:

initiating a request for a GUI message in response to an event wherein the event and the initiating of the request are external to the second computer system wherein said message is a notification of said event;

defining GUI message attributes;

defining GUI message functionality;

creating the message at the first computer system, the message comprising message content including an alert message, the GUI message attributes and the GUI message functionality such that the message includes aspects of how the second computer system is to display the message content, said message content including instructing a desired period of time said alert message is to be displayed;

in response to the request, transmitting the message from the first computer system to a group of computer systems wherein the group of computer systems comprises the second computer system, each computer system in said group of computer systems subscribing to messages from said first computer, each computer system in said group of computer systems extracting from said message, said attributes and functionality to instruct said each computer system how to display the user interactive GUI representation at said each computer system including instructions for the length of time said alert message is to be displayed, the display of the message under individual control of each computer system in said group of computer systems; and

filtering the message by a filter in each computer system in said group of computer systems, each filter for filtering for keywords of interest to the respective other computer system such that the message would have to contain the keywords of interest before the respective computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said respective computer system.

107. A computer program product recorded on a non-transitory computer readable medium for presenting a message received from a first computer system for display on a second computer system, the computer program product comprising:

subscribing by said second computer system, to messages from said first computer system;

receiving the message from the first computer system at the second computer system wherein the message includes an alert message of an event wherein the event is external to the second computer system, said message including aspects of how the second computer system is to display the message including instructing a desired length of time said alert message is to be displayed, the display of the message under individual control of the second computer system:

decoding the message at the second computer system, the decoding resulting in a format suitable for processing on second computer system;

extracting said aspects including attributes, functionality and content from the message at the second computer system to instruct said second computer system how to display the user interactive GUI representation including instructions for the desired length of time said alert message is to be displayed;

creating a user interactive GUI representation at the second computer system, the user interactive GUI representation comprising one or more user input functions, the user input function selectable by a user, the interactive GUI representation further comprising attributes, content and functionality defined by the extracted attributes, content and functionality of the message; and

filtering the message by a filter in the second computer system, said filter for filtering for keywords of interest to the second computer system such that the message would have to contain the keywords of interest before the second computer system sees the message and messages not containing the keywords are blocked by said filter from being seen by said second computer system; and

displaying the user interactive GUI representation seen at the second computer system for the desired length of time said alert message is to be displayed.

IX. APPENDIX OF EVIDENCE

(37 C.F.R. § 41.37(c)(1)(ix))

NONE

X. APPENDIX OF RELATED DECISIONS
(37 C.F.R. § 41.37(c)(1)(x))

NONE

[XI.a] OTHER MATERIAL THAT APPELLANT CONSIDERS NECESSARY OR DESIRABLE

See attached copy of the Notice of Allowance for Application No. 11/197,998 filed 08/05/2005 by Brian D. Goodman, Notice of Appeal filed 04/13/2010, Appeal Brief filed 06/09/2010, Notice of Allowance mailed 09/20/2010.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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NOTICE OF ALLOWANCE AND FEE(S) DUE

33558 7590 09/20/2010

INTERNATIONAL BUSINESS MACHINES CORPORATION
Richard Lau
IPLAW DEPARTMENT / Bldg 008-2
2455 SOUTH ROAD - MS P386
POUGHKEEPSIE, NY 12601

EXAMINER	
NGUYEN, THANH T	
ART UNIT	PAPER NUMBER
2444	

DATE MAILED: 09/20/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/197,998	08/05/2005	Brian D. Goodman	POU920020088US5	1135

TITLE OF INVENTION: PUB/SUB MESSAGE INVOKING A SUBSCRIBERS CLIENT APPLICATION PROGRAM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	12/20/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:	If the SMALL ENTITY is shown as NO:
A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.	A. Pay TOTAL FEE(S) DUE shown above, or
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or	B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail
Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

33558 7590 09/20/2010

INTERNATIONAL BUSINESS MACHINES CORPORATION
Richard Lau
IPLAW DEPARTMENT / Bldg 008-2
2455 SOUTH ROAD - MS P386
POUGHKEEPSIE, NY 12601

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/197,998	08/05/2005	Brian D. Goodman	POU920020088US5	1135

TITLE OF INVENTION: PUB/SUB MESSAGE INVOKING A SUBSCRIBERS CLIENT APPLICATION PROGRAM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	12/20/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, THANH T	2444	709-203000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1 ________________
2
3 ________________

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE
(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:
☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number __________ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

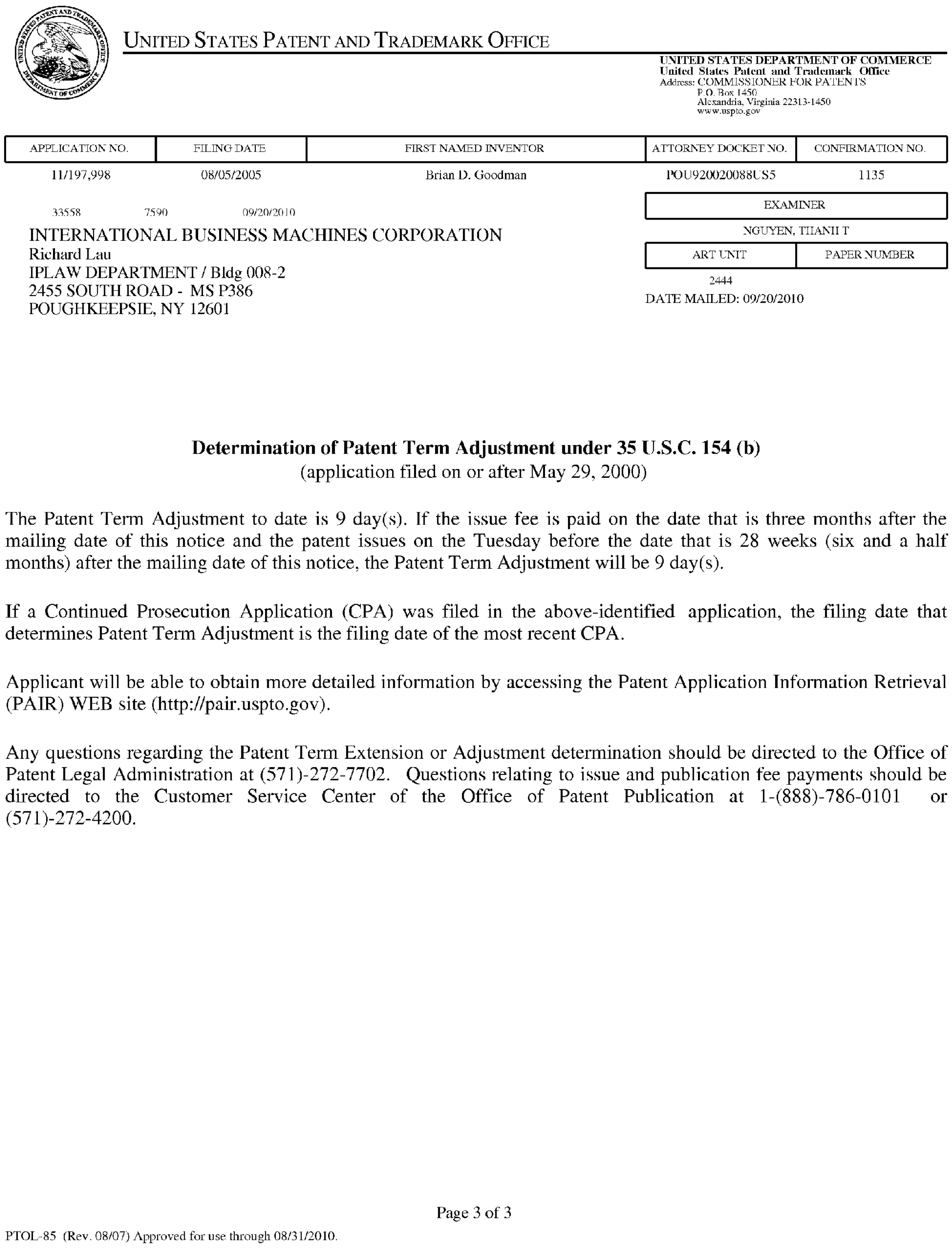
Authorized Signature ________________ Date ________________

Typed or printed name ________________ Registration No. ________________

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



UNITED STATES PATENT AND TRADEMARK OFFICE

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33558 7590 09/20/2010

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POUGHKEEPSIE, NY 12601

EXAMINER	
NGUYEN, THANH T	
ART UNIT	PAPER NUMBER
2444	

DATE MAILED: 09/20/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 9 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 9 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Page 3 of 3

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

Notice of Allowability	**Application No.** 11/197,998	**Applicant(s)** GOODMAN ET AL.	
	Examiner TAMMY THANH NGUYEN	**Art Unit** 2444	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *Appeal brief filed on June 17, 2010*.

2. ☒ The allowed claim(s) is/are *1-4, 6-9, 11, 21-23, 25, and 27-29 (new claims 1-16)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 1/14/2010
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *8/27/10* .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/TAMMY THANH NGUYEN/
Primary Examiner, Art Unit 2444

U.S. Patent and Trademark Office
PTOL-37 (Rev. 08-06) **Notice of Allowability** Part of Paper No./Mail Date 20100827

Examiner-Initiated Interview Summary	**Application No.** 11/197,998	**Applicant(s)** GOODMAN ET AL.	
	Examiner TAMMY THANH NGUYEN	**Art Unit** 2444	

All Participants:

(1) *TAMMY THANH NGUYEN*.

(2) _____.

Status of Application: _____

(3) *Floy A. Gonzale (reg.33,558)*.

(4) _____.

Date of Interview: *27 August 2010*

Time: _____

Type of Interview:
☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☒ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☐ No
If Yes, provide a brief description: .

Part I.

Rejection(s) discussed:

Claims discussed:
All Caims

Prior art documents discussed:

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:
Negotiate was given by examiner with an applicant's representative, the applicant's representative agrees to amend the claimed language in order to place the application filed appeal brief in the condition for allowance.

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

/TAMMY THANH NGUYEN/
Primary Examiner, Art Unit 2444

(Applicant/Applicant's Representative Signature – if appropriate)

U.S. Patent and Trademark Office
PTOL-413B (04-03) Examiner Initiated Interview Summary Paper No. 20100827

UNITED STATES PATENT AND TRADEMARK OFFICE
COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr Floy a. Gonzales in August 26, 2010.

3. The applicant has been amended as follow:

1. (Currently amended): A method for invoking an application program in a computer system, the method comprising the steps of: a client first application program at a client computer system, subscribing to a publish/subscribe channel of a publish/subscribe service; receiving at the client first application program, a topic message published by way of the publish/subscribe channel which has been received by the publish/subscribe service from a content provider for blind publication to subscribers of said publish/subscriber channel; responsive to a user GUI action, selecting the subscribed to channel associating the received topic message with a second application program, said user GUI action including selecting a service from available services thereby permitting selecting various combinations of services and [[or]] their channels;

obtaining at the client, the second application program; and invoking at the client, the second application program; wherein the obtaining the second application program step comprises the further step of sending an alert signal to a user of the client computer system, the alert signal indicating an indication, the indication including either that the application has been invoked or a message has been received; further steps of: presenting an indicator of a plurality of application programs at the client computer by way of a GUI prompt; selecting a second application program indicator from the indicator of the plurality of application programs; and invoking the second application program responsive to selecting the second application program indicator.

2. The method according to claim 1 wherein the obtaining the second application program step further comprises a further step of any one of: receiving the second application from the publish/subscribe channel; obtaining the second application from the client computer system; or obtaining the second application from another client computer system.

3. The method according to claim 1 comprising the further step of: connecting the client first application program to the obtained second application program via an API.

4. The method according to claim 1 wherein the obtained second application program transforms received publish/subscribe channel messages to perform a further step of any one of: controlling mechanical operations; displaying video; playing audio; transforming from text to voice; transforming from voice to text; sending an email; invoking a web page on a client browser; or sending an alert signal to the user.

5. (Cancelled):

6. The method according to claim [[5]] 1 wherein the alert signal comprises a GUI widget, the method comprising the further steps of: the user selecting the GUI widget; and the GUI widget causing an action to be performed.

7. The method according to claim 6 wherein the action is either of: performing the function of the application; or aborting the application. 8. (Previously presented): The method according to claim 1 wherein the second application program is a content provider for a publish/subscribe service.

9. The method according to claim 1 wherein the second application program is a program agent, wherein the program agent interacts with a user.

10. (Cancelled):

11. The method according to claim 1 wherein the message is an instant message.

Claims 12-20 (Cancelled)

21. (Currently amended): A computer program product for invoking an application program in a computer system, the computer program product comprising: a non-transitory storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for performing a method comprising: a client first application program at a client computer system, subscribing to a publish/subscribe channel of a publish/subscribe service; receiving at the client first application program, a topic message published by way of the publish/subscribe channel which has been received by the publish/subscribe service from a content provider for blind publication to subscribers of said publish/subscriber channel; responsive to a user GUI action, selecting the subscribed to channel associating the received topic message with a second application program, said user GUI action including selecting a service from available

services thereby permitting selecting various combinations of services and/or their channels; obtaining at the client, the second application program; and invoking at the client, the second application program wherein the obtaining the second application program step comprises the further step of sending an alert signal to a user, the alert signal indicating an indication, the indication including either that the application has been invoked or a message has been received; further steps of: presenting an indicator of a plurality of application programs at the client computer by way of a GUI prompt; selecting a second application program indicator from the indicator of the plurality of application programs; and invoking the second application program responsive to selecting the second application program indicator.

22. The computer proem product according to claim 21 wherein in the method, the obtaining the second application program step further comprises a further step of any one of: receiving the second application from the publish/subscribe channel; obtaining the application from the client computer system; or obtaining the application from another client computer system.

23. The computer program product according to claim 21 wherein the obtained second application program transforms received publish/subscribe channel messages to perform a further step of any one of: controlling mechanical operations; displaying video; playing audio; transforming from text to voice; transforming from voice to text; sending an email; invoking a web page on a client browser; or sending an alert signal to the user.

24. (Cancelled):

25. The computer program product according to claim 21 wherein the second application program is a program agent, wherein the program agent interacts with a user.

26. (Cancelled):

27. (Currently amended): A system for invoking an application program in a computer system, the system comprising: a network; a client system in communication with the network; a publish/subscribe service in communication with the network; the computer system includes instructions to execute a method comprising: a client first application program at a client computer system, subscribing to a publish/subscribe channel of a publish/subscribe service; receiving at the client first application program, a topic message published by way of the publish/subscribe channel which has been received by the publish/subscribe service from a content provider for blind publication to subscribers of said publish/subscriber channel; responsive to a user GUI action, selecting the subscribed to channel associating the received topic message with a second application program, said user GUI action including selecting a service from available services thereby permitting selecting various combinations of services and/or their channels; obtaining at the client, the second application program; and invoking at the client, the second application program wherein the obtaining the second application program step comprises the further step of sending an alert signal to a user, the alert signal indicating an indication, the indication including either that the application has been invoked or a message has been received; further steps of: presenting an indicator of a plurality of application programs at the client computer by way of a GUI prompt; selecting a second application program indicator from the indicator of the plurality of

application programs; and invoking the second application program responsive to selecting the second application program indicator.

28. The system according to claim 27 wherein in the method, the obtaining the second application program step further comprises a further step of any one of: receiving the second application from the publish/subscribe channel; obtaining the application from the client computer system; or obtaining the application from another client computer system.

29. The system according to claim 27 wherein the obtained second application program transforms received publish/subscribe channel messages to perform a further step of any one of." controlling mechanical operations; displaying video; playing audio; transforming from text to voice; transforming from voice to text; sending an email; invoking a web page on a client browser; or sending an alert signal to the user.

4. The following is an examiner's statement of reasons for allowance:

This communication warrants no examiner's reason for allowance, as applicant's reply makes evident the reason for allowance, satisfying the record as whole as required by rule 37 CFR 1.104 (e). In this case, the substance of applicant's remarks filed on June 9, 2010 with respect to the amended claim limitations point out and make clear the reason claims are patentable over the prior art of record. Thus, the reason for allowance is in all probability evident from the record and no statement for examiner's reason for allowance is necessary (see MPEP 13202.14).

[XI.b] OTHER MATERIAL THAT APPELLANT CONSIDERS NECESSARY OR DESIRABLE

See attached copy of the Notice of Allowance for Application No. 10/732,020 filed 12/10/2003 by Brian D. Goodman, Notice of Appeal filed 08/02/2010, Appeal Brief filed 10/01/2010, Notice of Allowance mailed 12/29/2010.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/732,020	12/10/2003	Brian D. Goodman	POU920020088US2	6233

33558 7590 03/29/2011
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POUGHKEEPSIE, NY 12601

EXAMINER	
NGUYEN, THANH T	

ART UNIT	PAPER NUMBER
2448	

NOTIFICATION DATE	DELIVERY MODE
03/29/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

poiplaw2@us.ibm.com

PTOL-90A (Rev. 04/07)

Notice of Allowability	**Application No.** 10/732,020	**Applicant(s)** GOODMAN ET AL.	
	Examiner TAMMY THANH NGUYEN	**Art Unit** 2448	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *February 16, 2011*.
2. ☒ The allowed claim(s) is/are *1-8, 31-38, and 41-48 (new claims 1-24)* .
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

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   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

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Attachment(s)

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3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 9/27/07, 12/10/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/TAMMY THANH NGUYEN/
Primary Examiner, Art Unit 2448

U.S. Patent and Trademark Office
PTOL-37 (Rev. 08-06) **Notice of Allowability** Part of Paper No./Mail Date 20110323

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr Floyd A. Gonzalez on December 14, 2010.

3. The applicant has been amended as follow:

1. (Currently Amended). A method for publishing electronic messages to a first group of clients within a group of clients in a publish/subscribe message publishing environment the first group of clients comprising:

authorized authorizing participating clients in network communication with a publish/subscribe service, the publish/subscription service publishing to the first group of clients over channels with each channel having a channel topic : ~~[[, the method comprising the steps of:]]~~

receiving subscriptions from the first group of clients by the publish/subscribe service for publishing over a channel having a channel topic according to the subscriber's selection, the subscriptions to persist during a specified criteria;

authenticating the identity of a first client as being in the first group of clients identified by the channel;

receiving a message from the authenticated first client, the message having the channel identification as a part thereof and destined for publication to a first group of clients;

verifying the first client is authorized for publishing messages to the first group of clients for the identified channel of the first group of clients; [and]

publishing the message by way of the publish/subscribe service to clients of the first group of clients for the channel topic;

publishing with the publish/subscribe service, an application to be run on the clients of the first group of clients; and

associating the first client identity with a client group by [[~~way of any one of~~]] an authorization database, a data repository ~~or~~ and a predefined attribute.

2. (Original): The method according to claim 1 wherein any one of the steps of authenticating, receiving, verifying or publishing is performed by a web service.

3. (Original): The method according to claim 1 wherein authenticating comprises any one of identifying the first client or authorizing the first client.

4. (Original): The method according to claim 1 wherein the message is structured using XML.

5. (Original): The method according to claim 1 wherein the message comprises a message envelope, wherein the message envelope comprises a message body and a message header.

6. (Original): The method according to claim 1 wherein the message is a SOAP message. 7. (Original): The method according to claim 1 wherein the first service publishes the message to any one of a first application, an automated instant message address (Bot), a servlet or a Mobile Device.

8. (Original): The method according to claim 1 wherein the authenticated first client comprises any one of a human user, a first application, an automated instant message address (Bot), a servlet/CGI application or a mobile device.

Claims 9-30 (canceled).

31. (Currently Amended): A computer program product for publishing electronic messages to a first group of clients within a group of clients in a publish/subscribe message publishing environment the first group of clients comprising: ~~authorized~~ authorizing participating clients in network communication with a publish/subscribe service, the publish/subscription service publishing to the first group of clients over channels with each channel having a channel topic: ~~,~~ ~~the computer program product comprising:~~ a non-transitory storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for performing ~~a method comprising~~: receiving subscriptions from the first group of clients by the publish/subscribe service for publishing over a channel having a channel topic according to the subscriber's selection, the subscriptions to persist during a specified criteria; authenticating the

4. (Original): The method according to claim 1 wherein the message is structured using XML.

5. (Original): The method according to claim 1 wherein the message comprises a message envelope, wherein the message envelope comprises a message body and a message header.

6. (Original): The method according to claim 1 wherein the message is a SOAP message. 7. (Original): The method according to claim 1 wherein the first service publishes the message to any one of a first application, an automated instant message address (Bot), a servlet or a Mobile Device.

8. (Original): The method according to claim 1 wherein the authenticated first client comprises any one of a human user, a first application, an automated instant message address (Bot), a servlet/CGI application or a mobile device.

Claims 9-30 (canceled).

31. (Currently Amended): A computer program product for publishing electronic messages to a first group of clients within a group of clients in a publish/subscribe message publishing environment the first group of clients comprising; ~~authorized~~ authorizing participating clients in network communication with a publish/subscribe service, the publish/subscription service publishing to the first group of clients over channels with each channel having a channel topic: ~~, the computer program product comprising:~~ a non-transitory storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for performing ~~a method comprising~~: receiving subscriptions from the first group of clients by the publish/subscribe service for publishing over a channel having a channel topic according to the subscriber's selection, the subscriptions to persist during a specified criteria; authenticating the

identity of a first client as being in the first group of clients identified by the channel; receiving a message from the authenticated first client, the message having the channel identification as a part thereof and destined for publication to a first group of clients; verifying the first client is authorized for publishing messages to the first group of clients for the identified channel of the first group of clients;~~and~~ publishing the message by way of the publish/subscribe service to clients of the first group of clients for the channel topic; [[.]]

publishing with the publish/subscribe service, an application to be run on the clients of the first group of clients; and

associating the first client identity with a client group by [[~~way of any one of~~]] an authorization database, a data repository ~~or~~ and a predefined attribute.

32. (Previously presented): The computer program product according to claim 31 wherein any one of the steps of authenticating, receiving, verifying or publishing is performed by a web service.

33. (Previously presented): The computer program product according to claim 31 wherein authenticating comprises any one of identifying the first client or authorizing the first client.

34. (Previously presented): The computer program product according to claim 31 wherein the message is structured using XML.

35. (Previously presented): The computer program product according to claim 31 wherein the message comprises a message envelope, wherein the message envelope comprises a message body and a message header.

36. (Previously presented): The computer program product according to claim 31 wherein the message is a SOAP message.

37. (Previously presented): The computer program product according to claim 31 wherein the first service publishes the message to any one of a first application, an automated instant message address (BOO, a servlet or a Mobile Device.

38. (Previously presented): The computer program product according to claim 31 wherein the authenticated first client comprises any one of a human user, a first application, an automated instant message address (BOO, a servlet/CGI application or a mobile device.

39-40. (Canceled).

41. (Currently Amended): A system for publishing electronic messages to a first group of clients within a group of clients in a publish/subscribe message publishing environment the first group of clients comprising:

~~authorized~~ authorizing participating clients in network communication with a publish/subscribe service, the publish/subscription service publishing to the first group of clients over channels with each channel having a channel topic; ~~, the system comprising:~~ a network; a client system in communication with the network; a publish/subscribe service in communication with the network wherein he system inc. tides instructions to execute a method comprising; receiving subscriptions from the first group of clients by the publish/subscribe service for publishing over a channel having a channel topic according to the subscriber's selection, the subscriptions to persist during a specified criteria; authenticating the identity of a first client as being in the first group of clients identified by the channel; receiving a message from the authenticated first client, the message having the channel identification as a part thereof and destined for publication to a first group of clients; verifying the first client is authorized for publishing messages to the first group of clients for the identified channel of the first group of clients; ~~and~~ publishing the message by way of the publish/subscribe service to clients of the first group of clients for the channel topic;

publishing with the publish/subscribe service, an application to be run on the clients of the first group of clients; and

associating the first client identity with a client group by [[~~way of any one of~~]] an authorization database, a data repository ~~or~~ and a predefined attribute.

42. (Previously presented): The system according to claim 41 wherein any one of the steps of authenticating, receiving, verifying or publishing is performed by a web service. 43. (Previously presented): The system according to claim 41 wherein authenticating comprises any one of identifying the first client or authorizing the first client.

44. (Previously presented): The system according to claim 41 wherein the message is structured using XML.

45. (Previously presented): The system according to claim 41 wherein the message comprises a message envelope, wherein the message envelope comprises a message body and a message header.

46. (Previously presented): The system according to claim 41 wherein the message is a SOAP message.

47. (Previously presented): The system according to claim 41 wherein the first service publishes the message to any one of a first application, an automated instant message address (Bot), a servlet or a Mobile Device.

48. (Previously presented): The system according to claim 41 wherein the authenticated first client comprises any one of a human user, a first application, an automated instant message address (Bot), a servlet/CGI application or a mobile device.

49-50. (Cancelled).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammy T. Nguyen whose telephone number is 571-272- 3929. The examiner can normally be reached on Monday - Friday 8:30 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firmin Becker can be reached on 571-272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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